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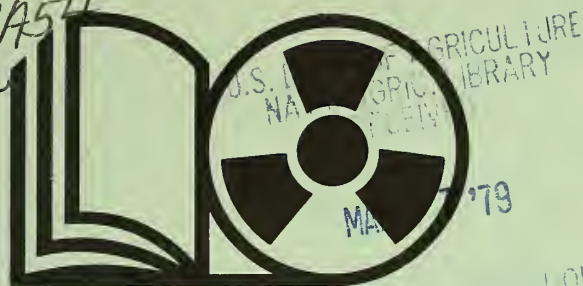
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AGRICULTURAL LIBRARIES INFORMATION NOTES



FOOD AND NUTRITION INFORMATION AND EDUCATIONAL RESOURCES CENTER

The 1979 Appropriation Bill for the U.S. Department of Agriculture charges the Food and Nutrition Information and Educational Resources Center (FNIERC) with a broader scope of coverage and greater outreach.

For the past seven years the Center has been funded by the Food and Nutrition Service through a reimbursable agreement with the National Agricultural Library which has managed the Center and provided supportive services. The FY 1979 Appropriation Bill shifted the Center to the National Agricultural Library which is a part of the Technical Information Systems of the newly established Science and Education Administration.

FNIERC was originally established in 1971 as the result of a Task Force Group founded by the National Association of Land-Grant Colleges and Universities and officials in USDA. The purpose was to develop a plan for training persons who have a far-reaching affect on the future nutritional status of the Nation — the young who will one day comprise the leaders, labor force, and professionals in our society. A logical beginning was to reach the individuals who administer and operate the

Child Nutrition Programs: School Breakfast, School Lunch, Summer Recreation, and Day Care — all very instrumental in the health of the young. FNIERC was charged with acquiring, processing, and disseminating education and training materials that would be supportive to workshops, seminars, and formal courses in nutrition and food service management.

The basic scope of the FNIERC collection of serials, monographs, and audiovisuals has been in foods, nutrition education, and food service management. FNIERC will continue to collect materials in these subject areas but will put new emphasis on human nutrition research, and food technology.

Services provided by the Center include lending, reference, and on-line retrieval services. In addition to servicing school food service personnel, the expansion of the Center will include servicing educators, dietitians, nutritionists, cooperative extension personnel, and other interested persons.

The Center is headed by Robyn Frank who succeeds Christine Justin, now retired.

Inquiries may be directed to:

Food and Nutrition Information and
Educational Resources Center
Technical Information Systems, SEA/USDA
National Agricultural Library Building
Beltsville, Md. 20705
(301) 344-3719



Effects of the New Copyright Law on Small Scientific Libraries *

by

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Last year I spoke to Interior librarians on "What Now, Librarians, When the New Copyright Law Cometh?" I must say I approached the new law with some trepidation. So when I was asked to speak this year, I gathered my thoughts and those of my fellow librarians and this is what I found. The first thing I looked at was cost.

I. Cost

A. Cost of Journal Subscriptions

Copyright has had little effect on increased journal subscriptions. Most changes have resulted from new directions in the facility and new personnel. Only 1 or 2 subscriptions per facility have been added at the rate of \$100 per journal.

B. Cost of equipment or photocopying

Small amount of money needed for stamps and forms. Some increase in photocopying where formerly it had been done by other libraries.

Then I looked at increase in time needed to respond to the new Copyright Law.

II. Time

A. Increase in time for procedures

1. Rubber stamping old forms
2. Rubber stamping articles photocopied
3. Getting signatures on user forms for copy service

B. Increase in time for files

1. Generally two files are maintained:

One for articles published before 1973
Alphabetical by journal

2. Benefits: information on charges, location of journals

I checked on the procedures in obtaining materials, especially journal articles.

III. Procedures in obtaining articles and some changes in operation

A. Authors; still a major source for current articles.

Many indexing and abstracting services provide the addresses of the authors who have ordered reprints. These reprints, of course, are not to be counted for the copyright limit. However, some publishers have increased prices and authors have ordered less just when the demand has shot up as a result of the new copyright law. From my experience, 70% of the reprints are received in 2 months' time. I review those not received on quarterly basis and tab those that are very important for earlier review.

B. Procedures for obtaining photocopies from libraries

1. Librarian gets a copy of an article using an interlibrary loan form following the Copyright Law and the Guidelines.
2. Librarian gets journal and has requestor do own copying, so it will not count as photocopy received. User has right of "Fair Use." Librarian or library does not necessarily have it.
3. The user signs request form for copies. Sometimes that user can be the librarian. Librarian places order with another library and gives copy to user. (Dilemma — the copy is his and he legally should not have to give a copy to the library, but government funds were used to obtain and process this item.) Librarians still make copy for library.
4. Librarian goes to another library, photocopies article at that library on an informal basis and does not count it toward the limit.

*Presented at the Federal Interagency Field Librarians Workshop, Arlington, Va., October 29–November 3, 1978.

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C. Procedures for getting photocopies over legal number

1. ISI (Institute for Scientific Information)
Original Article Tear Sheets (OATS)
\$3.50 for up to 10 pages – 5,000 journals
2. UM (University Microfilms Int.)
UMI Article Reprint
\$6.00 for each article – 7,000 journals
3. NTIS (National Technical Information Service)
Journal Article Copy Service (JACS)
\$6.50 (\$6.00 if no royalty) – 5,000 journals
Only available electronically through TWX, terminal or special “800” number
4. Special “Information on Demand” companies. These groups use the Copyright Clearance Center and other sources
5. Electronic Ordering of Documents
Currently available from System Development Corp., and ISI
6. A possibility of a non-profit National Periodicals Center
7. Order subscription for journal if well over five, more like 20–30. When you can obtain items at \$3.50, you need to justify cost of a subscription. If journal subscription costs \$100, the facility should need 30 copies before a subscription would be justified.

D. Authorization when piece is in hand

1. No copyright notice
2. Older journal
3. Notification – liberal policies in some journals
4. Direct contracts between large organizations and publishers of frequently copied journals
5. Copyright Clearance Center (CCC)
\$2.00 – \$2.50 average fee
After 12/31/77, notice appears on first page of the article. For older articles, CCC will provide a catalog of titles and copying fees.
6. Authorized by outside sources like ISI, UM, NTIS

IV. Availability of materials is apparently not much of a problem

A. Example: Material can't be part of library if copied (1962 Thesis from University library).

Library could borrow the item for \$8.00 without making copies or could buy microfilm for \$7.50 or xerox copy for \$15.40 only if such copies would not be deposited in a library); also getting permission from the author could cause a delay.

B. Some libraries are loaning items and are not sending photocopies.

User can make decision to copy.

V. Change in current awareness services.

A. Example: Copyright permission needed to use abstracts in journal

B. Another current awareness service: Table of contents were photocopied and distributed to 250 individuals before the new law.

Before January 1978, 1,000 items were requested from one issue of the current awareness service. So, the new law will be paraphrased and used as a current awareness service and users will be urged to request a loan copy or buy a subscription.

The librarians will clearly show the intent – current awareness and not a photocopying service.

The onus is placed on the user, not the lending library. Law has done librarians a favor in this respect.

VI. Differences in interpretations by publishers

A. U.S. Government Work (Under official duties or contract work). “Article is not copyrightable” and therefore the author should not sign forms assigning copyrights in articles. Thus, publisher should not have code on article – that is defrauding the public. Check carefully for this.

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1. One library handled it this way; sent a memo to the staff advising them to sign forms, but with letter explaining position of U.S. Government; if code is on article in proof, ask the publisher to remove it.
2. Another library will not sign the form and attaches a letter explaining the reason.

VII. Misconceptions by librarians

A. Five copy limit

1. Five photocopies from one journal; must obtain subscription
2. Five photocopies from one journal; can't photocopy any more articles for that year

B. Reprints through authors are considered under the Copyright Law.

Five copy limit applies only to ILL; all else is considered under "Fair Use."

VIII. Interpretations by lawyers

A. Guidelines

These guidelines are *not* part of the copyright law. They only indicate what is considered to be the minimum reach of the fair use doctrine.

B. Section 108 vs. 107

How does fair use relate to library photocopying — "108 does not affect 107" (Fair Use). The reproduction and distribution of large numbers of articles can be considered to be of "Fair Use."

Difficult to predict how fair use will be applied with 108.

IX. General reaction from librarians surveyed is that the new law is not much of a problem in obtaining materials, but librarians do have a problem in explaining the new law to the user. Another problem exists because information on the new copyright is not readily available or easily understood.

ASIS BULLETIN DESCRIBES NEW WHITE HOUSE INFORMATION SYSTEM Information Technology Helps Carter Make Decisions

Using a new combination of computers, TV screens, and statistics, Federal agencies, the White House, and the Congress may soon be able to ask questions that call for combinations of huge amounts of data and almost instantly receive exact answers to help our top policy formulators make decisions on the basis of all possible information. This means that policy — and decisions — can be made on complete and up-to-date information. A look into the what and how of this new information system appears in a feature section of the December, 1978 issue of the *BULLETIN OF THE AMERICAN SOCIETY FOR INFORMATION SCIENCE*.

The system came about because Richard Harden, Special Assistant to the President for Information Management and Director of the Office of Administration, and Edward Zimmerman, Harden's special assistant, recognized the need for Presidential advisors to have facts at their fingertips in seconds, and further, to see how correlations of those facts could be used to make analyses and then decisions based on information, not intuition.

Richard Harden states in his article in the *BULLETIN*:

"The analytical process begins with the collection of the information — both in the sense of identification of sources of data and the timely transmittal of that data to the EOP complex. Once the information is brought into the complex, we are interested in ensuring that it is stored in such a manner that it can be effectively retrieved. As more meaningful information is made available, we find an increasing interest in techniques for performing better analysis. Finally, we see tremendous potential in the electronic communication of information and the presentation of information to the Congress and general public."

The *BULLETIN* is the first publication to describe this innovative information system and explain its usefulness

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K.S.U. POST-HARVEST DOCUMENTATION SERVICE

Cherie Geiser
Service Coordinator
Kansas State University
Manhattan, Kansas

The K.S.U. Post-Harvest Documentation Service was created August 1978 as a component of a USAID-funded contract in the Food and Feed Grain Institute (FFGI) at Kansas State University (K.S.U.). The contract provides world-wide technical assistance and training on post-harvest grain systems. Information dealing with all aspects of post-harvest grain storage, processing and marketing will be collected and disseminated by the Service in order to improve existing grain storage and marketing systems in developing nations or to help in the development of new systems.

Currently, the Documentation Service is in the process of selecting materials to form a computerized bibliographic data base. A National Academy of Science (NAS) collection of post-harvest food loss materials will form the nucleus of the data base to be supplemented by the campus libraries collections, manual and computerized searching of current literature, utilization of interlibrary loan services and exchange of materials with national and international scientific organizations worldwide.

The Post-Harvest Documentation Service will include citations to journal articles, reports, government documents, monographs, and other published or unpublished material related to the economic, engineering, and preservation aspects of post-harvest grain technology. Acquisitions will center around current materials during the first year of operation and will gradually cover retrospective materials published in the past 10 years.

Bibliographic data plus abstract will be stored on computer for each item acquired (Figure 1). Upon completion of a batch retrieval system being programmed by the Data Processing Center, K.S.U., stored items will be machine searchable by author, geographical location, and subject.

BIBLIOGRAPHIC DATA

<u>Type of Data Element</u>	<u>Data Element</u>
Accession No.	64
Title	A comparison of fumigants for in-bag fumigation
Author/Affiliation	Webley, D.J.; Harris, A.H. (Tropical Stored Products Centre, Slough (England)
Edition	— — —
Report/Patent No./Document Type	JA (*Journal Article)
Place of Publication	Trop. Stored Prod Inf
Date of Publication	(1977)
Pages	(no. 33) p. 9-17
Language	— — (*left blank when in English)
Geographic Location	— —

ABSTRACT

At present an ideal small scale fumigant suitably packaged is not available. Phosphene is excellent in many ways but is probably too dangerous to introduce at subsistence farmer level. Methallyl Chloride may be more effective than EDB or CTC but has not been evaluated in the field. Many of the potentially useful halogenated alkanes attack human tissue and cause liver, kidney and respiratory damage although it is doubtful if this is important at the low levels used. Gas tight polythene sacks containing a cereal grain were doused with these fumigants in order to determine their effectiveness in controlling insect infestation.

FIGURE 1.

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Subject searches will be "free-text" searches of titles and abstracts. In addition, a thesaurus is being developed by and for the program which will permit "descriptor" searches in the future. Geographical locations will be searched via two-letter codes found in *Guidelines for Descriptive Cataloguing of Reports: A Revision of COSATI Standard for Descriptive Cataloguing of Government Scientific and Technical Reports*, March 1978 (PB-277 951).

Disseminated information will include: (1) monthly computer printouts of all items acquired during that month; (2) computer printouts relevant to a requested search; (3) microfiche copies of requested materials; and (4) hard copies of requested materials.

It is anticipated that most search requests will come from researchers engaged in projects for developing countries. Correspondence requests from national and international sources, currently handled at FFGI, will be forwarded to the Documentation Service for processing.

Developing nations may receive these services free-of-charge, however, it is anticipated that fees will be charged for other requests for computer searches, microfiche and hard copies. Prices have not been established as the service will not be fully operational until Spring 1979.

Inquiries concerning current and proposed Documentation Service activities may be sent to: K.S.U. Post-Harvest Documentation Service, Farrell Library, Room 411, Kansas State University, Manhattan, Kansas 66506 (Phone 913-532-6516, ext. 31).

NEW DIRECTOR OF ASLIB

Mr. Basil Saunders, M.A., F.I.P.R., has been appointed Director-General of Aslib. He succeeds Leslie Wilson, M.A., J.P., who retired on 30 September, 1978, after 28 years as Director.

Founded in 1924, as the Association of Special Libraries and Information Bureaux, Aslib has developed an extensive range of information services, library facilities, training courses, conferences, publications, research and consultancy, designed to promote the effective management and use of information. Its corporate membership includes organisations in industry, commerce, government, education, research and the professions, together with public and national libraries, in the United Kingdom and nearly 80 other countries.

For the past 14 years, Basil Saunders has been Head of Public Relations Services at The Wellcome Foundation Limited, the international pharmaceutical group. After war service in the RNVR he read English at Oxford and spent a postgraduate year as "assistant d'Anglais" in France. He obtained his initial public relations experience with General Electric in the United States and was subsequently public relations officer to the British Institute of Management. He is a former member of Council of the Institute of Public Relations and a former chairman of its membership committee.



HOLMES RETIRES

Jeanne Maiden Holmes, Chief, Resource Development Division retired January 10, 1979, after 30 years of Federal Service, most of them spent in dedication to the mission and programs of the Library of the U.S. Department of Agriculture.

Her advice and participation in the implementation of the Library's computerized systems have been instrumental in enhancing the importance of the Library's collection, as well as the organization, accessibility, and dissemination of agricultural information, for the benefit of the people of the United States and the world. Her unique ability to work effectively on a wide range of activities and to elicit cooperation at the national and international levels will long be remembered as milestones in the development of agricultural librarianship and documentation.

The present computer-based catalogs in card and book form, have evolved under *Jeanne Holmes'* direction. She was responsible for the development of NAL's machine-readable *CAIN (CATaloging and INdexing)* data base from its inception in 1970. Under her leadership, plans and procedures have been developed for the use of MARC formats for the Library's bibliographic files beginning in 1979. She has also laid the foundation for the adoption in 1981 of the *Anglo-American Cataloguing Rules*, Second Edition, and the concurrent freezing of the Library's card catalogs.

Jeanne was the Library's technical liaison with AGRIS, the International Information System for the Agricultural Sciences and Technology, sponsored by the Food and Agriculture Organization of the United Nations. She has also served on a number of interlibrary committees, panels, and advisory groups, including those of the Committee on Scientific and Technical Information, Federal Library Committee, the U.S. National Libraries Task Force, and the Library of Congress Bibliographic Advisory Committee (National Data Base Design Project). She is an active member of the major professional societies, such as the American Library Association, Special Libraries Association, and American Society for Information Science. The U.S. Department of Agriculture has twice, in 1968 and 1974, conferred on *Jeanne Holmes* its Superior Service Award.

For the next few years, she and her husband Bob, who is Director for Catalog Maintenance, Production, and Publishing at the Library of Congress, will divide their time between Sea Island, Ga., and a second home on Capitol Hill.



*In 1966 Jeanne M. Holmes received
a Special Merit Award from
President Lyndon B. Johnson*

NEW SERIALS RECEIVED AT NAL



Comparative Immunology, Microbiology and Infectious Diseases. Oxford Pergamon Press.
v.1,no.1/2-1978 — QR180.062

Developments in Biochemistry. Amsterdam; New York, Elsevier/North-Holland. v.1-1978 — AH345.D4

Getränke Revue. Neustadt an der Weinstrasse, Deutscher Weinwirtschaftsverlag Diemer & Meininger.
no.1- Jan. 1978 — HD9348.G2G4

Topics in Environmental Health. Amsterdam, New York, Elsevier/North-Holland Biomedical Press.
v. 1A-- 1978 — QH545.A1T6

WEST AFRICAN DATA BANK

With help from two professors from the University of Illinois at Urbana-Champaign, farmers in Liberia and Sierra Leone soon may have access to more up-to-date agricultural information.

F. Wilfrid Lancaster, professor of library science, and John W. Beecher, agriculture librarian, have developed a plan for an agricultural data bank and communications center for the two West African nations. The proposed center will make it possible for the latest information in farming methods to reach agricultural policy-makers, researchers and farmers.

At the invitation of the Agency for International Development, the professors toured agricultural research stations and colleges of agriculture to assess current facilities and to make proposals for centralizing and updating the various collections of materials in both countries.

"Right now, they're loosing lots of potentially useful information because no one has a clear mandate for collecting all the agricultural information now being produced in the two countries, or for bringing in current information about tropical agriculture generally," Lancaster said.

Two good collections of resource materials do exist, one in each country, Beecher said. One is located at the College of Agriculture at Njala, part of the University of Sierra Leone.

The University of Illinois helped set up the Njala library in the 1960s, but has had no direct connection with it for many years, Beecher said. The most modern collection is maintained by the West African Rice Development Association (WARDA) in Liberia. Lancaster and Beecher have proposed creating a central data bank based on the WARDA collection. Because of communications problems, the data bank would contain print-on-paper rather than electronic information at first, Lancaster said.

Information would be collected on library file cards and dispersed through monthly bulletins listing agricultural publications of all kinds from countries throughout the world.

"The data bank will collect relevant agricultural literature and disseminate it through a bulletin designed for agricultural policy-makers and research workers," Beecher said.

The center will be staffed by West African specialists who will be trained in both agriculture and information science.

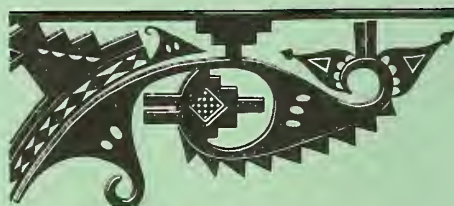
"We've also recommended hiring an agricultural information specialist who can repackaging research information in a form useful to the farmer in the field," he said.

Except for large rubber plantations in Liberia, agriculture in the two countries consists mostly of subsistence-level farms. Principal crops are rice, sugar, coffee, cocoa, cassava and rubber.

The professors' proposal has been sent to the Mano River Union, a customs union which promotes trade and development between the two countries. MRU originally requested the study from AID, which will fund the project for the first three years, after which MRU will be responsible for continuing financial support.

Lancaster and Beecher estimate the project will cost \$900,000 for the first three years.

*News Bureau
University of Illinois at Urbana-Champaign
(217) 333-1085*



NEW PUBLICATIONS OF NOTE



Agricultural Commodities Index: Ready-Reference Index to USDA Statistical Series. Jane Buzby McFall, ed. Phoenix, AZ, Oryx Press, 1978. 2,000 pp. \$95.00. ISBN 0-912700-09-2. Order from publisher, 3930 East Camelback Road, Phoenix, AZ 85018.

Agricultural Research in Developing Countries. CARIS Current Agricultural Research Information Systems. 1978 edition. Rome, Food and Agricultural Organization of the United Nations, 1978. 3v. ISBN 92-5-100593-1 \$ US 70.

- v.1 — Research institutions, 633 p.
- v.2 — Research workers, 683 p.
- v.3 — Research programs, 1302 p.

Apply to: FAO, Distribution & Sales Div.
via delle Terme di Caracalla
00100 Rome, Italy

International Rice Research Institute (1978) Prices unavailable.
Symposium on Cropping Systems Research and Development for the Asian Rice Farmer, 454 p.
Irrigation Policy and Management in Southeast Asia, 198 p.

Methods of Screening Rices for Varietal Resistance to Cercospora Leaf Spot (IRRI Research Paper Series Number 19)

Tropical Climate and its Influence on Rice (Res. Paper No. 20)

Apply to: IRRI, P.O. Box 933, Manila, Philippines.

Iron (Medical and Biologic Effects of Environmental Pollutants). Subcommittee on Iron, Committee on Medical and Biologic Effects of Environmental Pollutants; Division of Medical Sciences, Assembly of Life Sciences, National Research Council (University Park Press, 233 E. Redwood St., Baltimore, Md. 21202; 1978; 256 pp.; ISBN 0-8391-0126-0; \$18.00).

Microfilmed Land-Grant Agricultural Publications. 18 p. December 1978. Free. Send self-addressed mailing label to:

Library Services Division
TIS/SEA/USDA
National Agricultural Library Bldg.
Beltsville, Md. 20705

A list of film cooperatively accomplished by the Technical Information System (Formerly NAL) with state land-grant libraries. Includes "Status Report on Microfilming Land-Grant Agricultural Publications."

Pear Pest Management. Agricultural Sciences Publications, University of California, 1422 Harbour Way South, Richmond, Calif. 94804 \$20. Apply to publisher.

Postharvest Food Losses in Developing Countries. Steering Committee of Study on Postharvest Food Losses in Developing Countries, Board on Science and Technology for International Development; Commission on International Relations, National Research Council (Board on Science and Technology for International Development, 1978; 215 pp.; available from the board, 2101 Constitution Ave., N.W., Washington, D.C. 20418.

U.S. Canadian Range Management, 1935-1977: a Selected Bibliography on Ranges, Pastures, Wildlife, Livestock, and Ranching. John F. Vallentine, ed. Phoenix, AZ, Oryx Press. 1978. 354 pp. ISBN 0-912700-11-4. Order from publisher, 3930 East Camelback Road, Phoenix, AZ 85018.

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in all aspects of work in the Executive Branch and how other Federal Agencies can participate. Called "THE PRESIDENCY IN THE INFORMATION AGE: NEW DIRECTIONS," the 12-page section features eight articles by members of the White House Staff, Congress, and the press. The guest editor of the feature is Robert L. Chartrand, Senior Specialist in Information Services, Congressional Research Service.

Articles in this issue range from Richard Harden's "A Philosophy for Managing Information," to those on information sharing by Rep. Charlie Rose, OMB Director James McIntyre, and CBO Director Alice Rivlin. The "Fourth Estate Perspective" is provided by TIME Magazine's Hugh Sidey. Other contributors to the special feature of the December issue of the *BULLETIN* are: Edward Zimmerman, Carl Calo, Sarak Kadec, and Elmer Freeman. The Editor-in-Chief of the *BULLETIN* is Lois F. Lunin.

AGRICULTURAL TRANSLATIONS



Technical Information Systems reviews titles before translations are made in order to avoid duplication within USDA. We also receive copies on deposit often far in advance of their listings in the standard bibliographic tools. This column is an alert to selected new receipts at TIS.

These items are available to USDA personnel upon presentation of a loan request (AD-245) with the identification: TRANS. No. _____ along with the citation. Non-USDA persons may request photo-duplication at the rate of \$2 for each 10 pages or fraction thereof per citation. TRANS. No. _____ MUST be on the request. Both types of requests should be sent to:

Lending Division, Technical Information Systems
National Agricultural Library Building
U.S. Department of Agriculture
Beltsville, Maryland 20705

The Technical Translation Number will also be cited for those translations prepared for the U.S. Department of Agriculture and the National Science Foundation under the P.L. 480 program. Copies of these translations may also be ordered from the National Translation Center, John Crerar Library, 35 West 33rd Street, Chicago, IL 60616.

BALOVNEV, V. I., L. A. KHMARA and
S. A. MENCHIKOVA. Ditch Digger with Gas
Lubrication of the Moldboard Surfaces.
Translated from Russian: *Stroitel'nye i*
Dorozhnye Mashiny. 7: 22, 1977.
TRANS. No. 23166.

CHERKASHIN, YU. and I. S. TERESHCHENKO.
Operation of Two Row Disk Gangs.
Translated from Russian: *Mekhanizatsiya i*
Elektrifikatsiya Sotsialisticheskogo Sel'kogo
khozyaistva. 11: 43-44, 1976.
TRANS. No. 23266.

DIALLO, A. M., E. KOLB and R. KORBER.
Properties of Erythrozytic Acid Phosphatase
in Sheep and Isoenzymes of Erythrouytic Acid
Phosphatase in Sheep and Goats. Translated
from German: *Untersuchungen uber die*
eigenschaften der sauren erythrozytenphosphatase
von schaf und uber die isozyme der rauren
erythrozytemphosphatase bei schafen und
ziegen. Arch. Exp. Veter. Med. 29: 5.
789-800, 1976. TRANS. No. 23128.
TT 77-58172.

GOTTSCHESKII and M. POLACK.

Brain Anomalies of Rabbit Fetuses After
Treatment of the Mother with Actinomycin
D During Early Pregnancy and at the Time of
Organogenesis. Translated from German:
Zeitschrift fur Versuchstier Kunde. 18, 1: 1-8,
1976. TRANS. No. 23273. TT 77-58183.

GUPTA, A. K. and H. E. ROST. Changes in the
Lipids of Soybeans During Storage and
Germination. Translated from German:
Fette. Seifen. Anstrichmittel. 78, 2: 59-61,
1976. TRANS. No. 23263. TT 77-59121.

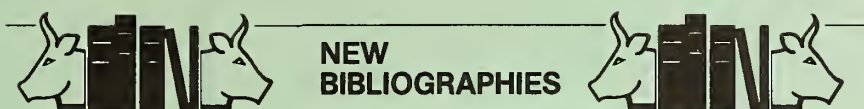
KABAKOV, N. S. and M. YA. TURUSHEV.
Equations of Movement of a Combined
Agricultural Unit in the Horizontal Plane.
Translated from Russian: *Trudy Vsesoyuznogo*
Ordona Trudovogo Krasnogo Znameni Nauchno-
Issledovatel'skogo Instituta Mekhanizatsii
Sel'skogo Khozyaistva (VIM)
Tekhnologicheskije Osnovy Primeneniya
Kombinirovannykh Agregatov v
Rastenievodstve, 71: 152-162, 1976, Moskva.
TRANS. No. 23262.

KALOEV, A. V. and Z. B. LIBERFARB.
Selection of a Mechanical Feeler for an Automatic
Steering System. Translated from Russian:
Mekhanizatsiya i Elektrifikatsiya
Sotsialisticheskogo Sel'skogo Khozyaistva.
4, 17-18, 1976. TRANS. No. 23252.

MEDVEDEV, V. I. and A. P. AKIMOV.
Mobility of a Rigid Wheel During Formation of a
Deep Rut. Translated from Russian:
Mekhanizatsiya i Elektrifikatsiya
Sotsialisticheskogo Sel'skogo Khozyaistva.
8: 51-52, 1976. TRANS. No. 23248.

REICH, REINHARD. Soil Resistance and
Operational Characteristics of Chisel Tines.
Translated from German: *Grundlagen der*
Landtechnik. 27, 4: 128-132, 1977.
TRANS. No. 23183.

SARSENOV, A. S. Nucleic Acids and Protein
Amounts in Tissues and Nuclei of Liver Cells in
Grossbred and Pure-Bred Sheep. Translated from
Russian: *Tsitologiya; genetika*. 10, 4: 349-352,
1976. TRANS. No. 23094. TT78-59118.



The titles listed below are owned by the Library; those lacking call numbers have not yet been cataloged. The foreign titles are available from the Library through loan or photocopy.

Bibliography of Infant Foods and Nutrition 1938-1977. Jane O. Henderson, Susan M. Collins, L. L. Muller and B. S. Harrap. Victoria, Australia, Commonwealth Scientific and Industrial Research Organization, 1978. 322 p. \$16.00 CSIRO, 314 Albert St., East Melbourne, Australia 3002.

Biologicheskii metod zashchity rastenii: Ukazatel' literatury za 1976 g. . . .; Biological Method of Plant Protection: Literature Guide for 1976....Compiled by N. B. Naletova. Moska, TsNSKhB VASKhNIL. 1977. 185 p. 842 annotated citations. Price unavailable.

Bibliographic clearance granted to:

Bibliography on Pesticide Movement in Soils. Compiled by Charles S. Helling, Pesticide Degradation Laboratory, AR/SEA, Beltsville.

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April 1-6: PACIFIC CHEMICAL CONFERENCE 1979: 38th NATIONAL MEETING OF CHEMICAL SOCIETY OF JAPAN AND 177th NATIONAL MEETING OF AMERICAN CHEMICAL SOCIETY. Honolulu, Hawaii. Contact: A.T. Winstead, American Chemical Society, 1155 16th St., N.W., Washington, D.C. 20036. (202-872-4396)

April 2-4: 14TH CONG. ON AGRICULTURE AND FOREST METEOROLOGY. Minneapolis, MN. Gen. Info.: D. G. Baker, Soil Science Department, 1529 Gortner Avenue, University of Minnesota, St. Paul, MN 55108.

April 23-27: CONFERENCE ON ENVIRONMENTAL MANAGEMENT OF AGRICULTURAL WATERSHEDS. Smolenice Castle (near Bratislava), Czechoslovakia. Contact: Harry M. Tollerton, Commission on International Relations, National Academy of Sciences, 2101 Constitution Ave., N.W., Washington, D.C. 20418 (COMM 202-389-6533 or -6210)

April 30-May 2: 1979 ENVIRONMENTAL SCIENCES MEETING. Seattle, Washington. Sponsor: Institute of Environmental Sciences, 940 E. Northwest Highway, Mt. Prospect, IL 60056

May 7-11: INTERNATIONAL SYMPOSIUM ON THE USE OF ISOTOPES FOR RESEARCH AND CONTROL OF VECTORS OF ANIMAL DISEASES, HOST PATHOGEN RELATIONSHIPS AND THE ENVIRONMENTAL IMPACT OF CONTROL PROCEDURES. Vienna, Austria. Contact: John H. Kane, DOE/OTI, MS A1-5216, Washington, D.C. 20545 (COMM 301-353-3378; FTS 233-3378)

July 23-26: AMERICAN ASSOCIATION OF VETERINARY PARASITOLOGISTS ANNUAL MEETING (in conj.) with AMERICAN VETERINARY MEDICAL ASSOCIATION ANNUAL MEETING. Gen. Inf.: R. R. Bell, DVM, AAVP, Texas A & M University, College Station, TX 77843.

July 29-August 1: AMERICAN AGRICULTURAL ECONOMICS ASSOCIATION MEETING.

Pullman, Washington. Contact: J. C. Redman, AAEA, Department of Agricultural Economics, University of Kentucky, Lexington KY 40506.

August 5-12: 9th INTERNATIONAL CONGRESS OF PLANT PROTECTION, Washington, D.C. Contact: James G. Horsfall, Connecticut Agricultural Experiment Station, Box 1106, New Haven, CT 06504.

August 27-31: 27TH CONGRESS OF THE INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY. Helsinki, Finland. Sponsor: International Union of Pure and Applied Chemistry, Oxford (UK). Contact: Dr. J. Larinkari, Kemian Keskuslitto, P.O. Box 13028, Fabianinkatu, SF-00131, Helsinki 13, Finland.

October 2-4: GRAIN DUST-ITS CHARACTERISTICS, EXPLOSIBILITY, HAZARD CONTROL, AND UTILIZATION-WHERE WE ARE AND WHERE WE ARE GOING. Kansas State University. Contact Byron S. Miller, U.S. Grain Marketing Research Laboratory, 1515 College Ave., Manhattan, Kansas 66502 (913) 539-9141.

October 14-18: SOCIETY OF AMERICAN FORESTERS 1979 CONVENTION. Boston, Mass. Gen. Inf.: E. F. Robie, SAF, 5400 Grosvenor Lane, Washington, D.C. 20014.

November 25-29: ENTOMOLOGICAL SOCIETY OF AMERICA. ANNUAL MEETING. Denver, CO. Gen. Inf.: W. P. Murdoch, ESA, 4603 Calvert Road, College Park, MD 20740.

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